

Title (en)
HEATABLE TEXTILE DEVICE

Title (de)
BEHEIZBARE TEXTIL-VORRICHTUNG

Title (fr)
DISPOSITIF TEXTILE CHAUFFABLE

Publication
EP 3592104 B1 20220316 (DE)

Application
EP 19184289 A 20190704

Priority
DE 102018116474 A 20180706

Abstract (en)
[origin: US2020015326A1] In a textile device (100) having a flexible textile main structure (110) which is made up of textile threads (101) and which has a top surface (111) and a bottom surface (112), temperature metering independent of ambient conditions is achieved in that the main structure (110) is equipped with at least one electrically conductive heating thread (120) which is connected to a first voltage source and with at least one electrically conductive sensor thread (130) which is connected to a second voltage source and which serves for sensing a temperature or a dampness of the main structure (110), wherein a control circuit which is electrically connected to at least one sensor thread (130) is provided for controlling the intensity of a current flow through the heating threads (120) in response to a measured temperature or dampness in order, for every measured actual value, to introduce a predetermined setpoint value of heat into the main structure (110).

IPC 8 full level
H05B 3/14 (2006.01); **H05B 3/34** (2006.01)

CPC (source: EP US)
H05B 3/0004 (2013.01 - US); **H05B 3/0019** (2013.01 - US); **H05B 3/145** (2013.01 - EP); **H05B 3/345** (2013.01 - EP US);
H05B 3/347 (2013.01 - US); **H05B 2203/005** (2013.01 - US); **H05B 2203/009** (2013.01 - US); **H05B 2203/014** (2013.01 - EP);
H05B 2203/019 (2013.01 - EP); **H05B 2203/02** (2013.01 - EP)

Cited by
FR3099334A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3592104 A1 20200108; EP 3592104 B1 20220316; DE 102018116474 A1 20200109; US 2020015326 A1 20200109

DOCDB simple family (application)
EP 19184289 A 20190704; DE 102018116474 A 20180706; US 201916504708 A 20190708